

AMENDMENTS TO THE CLAIMS

1. (Previously Presented) Composite material with a specific density in the range of 0.8 g/cm³ to 1.2 g/cm³, comprising:
 - one or more grains of a non-metallic inorganic material with a specific surface area in the range of 10,000 m²/m³ to 1,000,000 m²/m³, having a porosity in the range of 10% to 80% wherein at least 50% of the pores have a pore size in the range of 0.1 µm to 1000 µm, and wherein more than 50% of the grains have a grain size in the range of 0.1 mm to 50 mm; and
 - one or more plastics particles with a specific density in the range of 0.6 g/cm³ to 1.2 g/cm³, and a specific surface area in the range of 50 m²/m³ to 1000 m²/m³, wherein more than 50% of the plastics particles have a particle size in the range of 0.01 mm to 100 mm.
2. (Previously Presented) The composite material according to claim 1, wherein the non-metallic inorganic material has a specific surface area in the range of 25,000 m²/m³ to 500,000 m²/m³.
3. (Previously Presented) The composite material according to claim 1, wherein the weight ratio of non-metallic inorganic material to plastics particles lies in the range of 15:85 to 85:15.
4. (Previously Presented) A method of carrying bacteria comprising:
 - contacting the bacteria with the composite material according to claim 1, such that the composite material carries bacteria.
5. (Previously Presented) The method according to claim 4, wherein bacteria is carried in plants for water treatment.
6. (Currently Amended) The method according to claim 4, wherein the specific density of the composite material corresponds to the specific density of the a surrounding material.

7. (Currently Amended) A method for manufacturing the composite material according to claim 1, comprising:
 - mixing the grains of non-metallic inorganic material with the plastics particles;
 - filling the mixture into a mould; and
 - melting the surface of the plastics particles.
8. (Currently Amended) The method according to claim 7, further comprising
 - adding an additional plastics powder having a grain size in the range of 0.2 mm to 1.5 mm, a specific density in the range of 0.6g/cm³ to 1.2g/cm³ and having a melting point not more than 10% above that of the plastics particles and not more than 30% below that of the plastics particles,
 - wherein the additional plastics powder is added before melting the surface of the plastics particles.
9. (Previously Presented) The method according to claim 7, comprising pressing together the plastics particles having a melted surface with the grains of the non-metallic inorganic material either simultaneously with or following melting the surface of the plastics particles
10. (Currently Amended) A method for the biological treatment of water, comprising treating water with a composite material according to claim 1, wherein the composite material is ~~a carries bacteria-carrier material.~~
11. (Previously Presented) The method according to claim 10, wherein the water is treated in a plant.
12. (Previously Presented) The method according to claim 10, wherein the water is treated in a sewage treatment plant, a bioreactor or a fermentation reactor.
13. (Previously Presented) The method according to claim 10, wherein the water is treated in a sewage treatment plant.
14. (Previously Presented) The method according to claim 10, wherein the specific density of the composite material corresponds to the specific density of a surrounding material.